

Please amend the specification as follows:

Page 3, the paragraph at line 19

The subject of the present invention is to provide a compound which is stable as a visible light active photo-catalyst having nitride bond of Ti(IV), further the object of the present invention is to provide a method for preparation of said compound. During the various considerations how to introduce a nitride bond into the compound containing Ti(IV), which has photo-catalytic activity, the inventors of the present invention found out that the introduction of nitride bond of Ti(IV) is possible when Ti(IV) contains F bond, and found out the synthesis of the compound containing Ti(IV) which has nitride bond by using compounds of  $\text{TiO}_a\text{NbF}_c$  or  $\text{MeTiO}_a\text{NbF}_c$ . And found that the obtained compound has a possibility to be a catalyst which is active by visible light, especially to be a catalyst which generate hydrogen or oxygen by photo splitting of water, thus the subject of the present can be accomplished. In the compounds of  $\text{TiO}_a\text{NbF}_c$  or  $\text{MeTiO}_a\text{NbF}_c$ , Me is an alkali earth metal such as Sr, [a] c is 0.1 to 1, [b] h is 0.1 to 1, desirably [b]  $h \geq 0.3$ , and [a] a is a value to be decided in relation to [b] h and [a] c.

Page 4, the paragraph at line 9:

The first one of the present invention is a photo-catalyst containing titanium fluoride nitride comprising,  $\text{Ti(IV)O}_a\text{NbF}_c$  or a compound represented by  $\text{MeTi(IV)O}_a\text{NbF}_c$  prepared by doping at least one metal Me selected from the group

consisting of alkali or alkaline earth metals on  $\text{Ti(IV)O}_a\text{NbF}_c$  (wherein, [b] b is 0.1 to 1, [c] c is 0.1 to 1 and [a] a is a value to maintain Ti(IV) and is decided in relation with [b] b and [c] c). Desirably, the present invention is the photo-catalyst containing titanium fluoride nitride, wherein  $\text{Ti(IV)O}_a\text{NbF}_c$  possesses anatase structure and  $\text{MeTi(IV)O}_a\text{NbF}_c$  possesses perovskite to anatase structure. Further desirably the present invention is the photo-catalyst containing titanium fluoride nitride to which at least one promoter selected from the group consisting of Pt, Ni and Pd is loaded.

Page 4, the paragraph at line 20:

The second one of the present invention is a photo-catalyst for water splitting containing titanium fluoride nitride comprising  $\text{Ti(IV)O}_a\text{NbF}_c$  or a compound represented by  $\text{MeTi(IV)O}_a\text{NbF}_c$  prepared by doping at least one metal Me selected from the group consisting of alkali or alkaline earth metals on  $\text{Ti(IV)O}_a\text{NbF}_c$ . (wherein, [b] b is 0.1 to 1, [c] c is 0.1 to 1 and [a] a is a value to maintain Ti(IV) and is decided in relation with [b] b and [c] c). Desirably, the second one of the present invention is a photo-catalyst for water splitting containing titanium fluoride nitride wherein  $\text{Ti(IV)O}_a\text{NbF}_c$  possesses anatase structure and  $\text{MeTi(IV)O}_a\text{NbF}_c$  possesses perovskite to anatase structure. Further desirably the second one of the present invention is a photo-catalyst for water splitting containing titanium fluoride nitride to which at least one promoter selected from the group consisting of Pt, Ni and Pd is loaded.